

**10/524684**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**PTO1 Rec'd PCT/PTC 15 FEB 2005**

Applicant: Dan Andreyevitch YANSON  
et al.

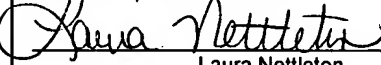
Int'l Appln. No.: PCT/GB03/03228

Int'l Filing Date: 18 July 2003

Art Unit:

Examiner:

Confirmation No.:

"Express Mail" Mailing Label	
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 Laura Nettleton	

Title: MULTI-SECTION LASER WITH PHOTONIC CRYSTAL MIRRORS

CUSTOMER NUMBER: 43138

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(B)**

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached forms PTO/SB/08A and B. This Information Disclosure Statement is being filed prior to receipt of the first Office Action on the merits and within three months of the entry of this Application into the National Stage under 35 USC § 371. Applicant encloses copies of those listed documents other than those which are US patents, US published patent applications, or which have been made of record in an application upon which Applicant relies for a priority date under 35 USC § 120. 37 CFR 1.97(d).

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Applicant respectfully requests that the Examiner consider the listed documents, and evidence that consideration of relevant portions thereof by making appropriate notations on the attached form.

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It is believed that these references either taken alone or in combination do not disclose or suggest the invention claimed by the Applicant. However, it is the Applicant's desire to have these references available in the record for both the Examiner and the public to see. The Applicant specifically reserves all rights of privilege and confidence with respect to this matter and submission of this document is not to be construed as a waiver of those rights. Moreover, submission of this document should not be considered an admission that the references cited herein are proper prior art to the aforementioned application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

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No fee is thought to be due with this Information Disclosure Statement. However, if there is any fee due in connection with this submission, please charge the fee to our Deposit Account No.

503138 of Daspin & Aument, LLP.

Respectfully submitted,



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Approved for use through 07/31/2006. OMB 0651-0031

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Sheet	1	of	2
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Application Number	PCT/GB03/03228
Filing Date	18 July 2003
First Named Inventor	YANSON et al.
Art Unit	not yet assigned
Examiner Name	not yet assigned
Attorney Docket Number	305832-00109

[illegible][illegible]Date  
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	PCT/GB03/03228 10/524684
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Examiner Name	not yet assigned
Attorney Docket Number	305832-00109

Sheet 2 of 2

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		EUROPEAN PATENT OFFICE, International Search Report (ISR) on PCT/GB03/03228, mailed 22 June 2004	
		HAPP et al., "Single-Mode Operation of Coupled-Cavity Lasers Based On Two-Dimensional Photonic Crystals", Applied Physics Letters Vol. 79, No. 25, pp. 4091- 4093,	
		(continuation of above item) 17 December 2001, American Institute of Physics, New York, NY.	
		DUBOWSKI et al., "Laser-induced InAs/GaAs Quantum Dot Intermixing", Applied Physics Letters Vol. 77, No. 22, pp. 3583-3585, 27 Nov. 2000, American Institute of Physics,	
		(continuation of above item) New York, NY.	
		SMITH et al., "Coupled Guide and Cavity in a Two-Dimensional Photonic Crystal", Applied Physics Letters, Vol. 78, No. 11, pp. 1487-1489, 12 March 2001, American Institute of	
		(continuation of above item) Physics, New York, NY.	
		ZHOU et al., "Processing and Characterization of a GaAs/AlxOy Quasi-Three-Dimensional Photonic Bandgap Material", 1999 IEEE Lasers and Electro-Optics Society	
		(continuation of above item) Annual Meeting, Proceedings, Vol. 1, pp. 236-237, IEEE, Piscataway, NJ.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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